KLEAN-STRIP CITRI-STRIP HOUSE BRITE ARMOR ALL KWIK P&D

MATERIAL SAFETY DATA SHEET

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SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME
W.M. BARR & COMPANY, INC.

ADDRESS
2105 Channel Ave.
Memphis, TN 38113 USA

EMERGENCY TELEPHONE #1
901-775-0100

EMERGENCY CONTACT
W.M. Barr Technical Services

EMERGENCY INFORMATION
"3E" 24 HOUR MEDICAL EMERGENCY #, 800 451-8346.
SEE SECTION 5 FOR ADDITIONAL EMERGENCY INFORMATION

INVENTORY ITEM #
EAR322

PRODUCT NAME
KS AIRCRAFT RMVR 18 OZ AERO

REVISED BY
W.M. Barr Technical Services

REVISION DATE
2/06/2004

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#	CARCINOGENICITY NTP	ACGIH	OSHA	IARC
METHYLENE CHLORIDE	75- 80	75-09-2	Y	Y	N	Y
PROPELLANT	15- 20	68476-85-7	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
PROPANE	70- 75	74-98-6	N	N	N	N
BUTANE	15- 20	106-97-8	N	N	N	N
ISOBUTANE	10- 15	N/A	N	N	N	N
METHANOL	1- 4	67-56-1	N	N	N	N
NONYLPHENOXYPOLYETHOXYETHANOL	1- 5	9016-45-9	N	N	N	N

SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY	U/M	TWA	STEL	CEIL	SKIN	PEL
METHYLENE CHLORIDE	ACGIH	PPM	50.00	N/E	N/E	N	N/E
	OSHA	PPM	25.00	125.00	1000.00	N	N/E

OSHA PEAK CONCENTRATION FOR 8HR SHIFT:2000 PPM FOR 5 MIN. IN ANY 2 HRS.
EMPLOYERS ARE REQUIRED TO CONDUCT INITIAL MONITORING OF AIRBORNE METHYLENE CHLORIDE,(MC), CONCENTRATIONS AND TO CONDUCT PERIODIC (MC) EXPOSURE MONITORING FOR ALL TASKS WHERE EMPLOYEE EXPOSURES ARE ABOVE ACTION LEVEL (12.5 PPM,8-HR TWA) OR STEL. NTP-ANTICIPATED CARCINOGEN; IARC POSSIBLE CARCINOGEN (2B); ACGIH-SUSPECTED CARCINOGEN (A2); NIOSH-DEFINED CARCINOGEN. (MC) HAS CAUSED CANCER IN CERTAIN LABORATORY ANIMAL TESTS. RISK TO YOUR HEALTH DEPENDS ON LEVEL AND DURATION OF EXPOSURE.

PROPELLANT	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E
PROPANE	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	1000.00	N/E	N/E	N	1000.00
BUTANE	ACGIH	PPM	800.00	N/E	N/E	N	N/E
	OSHA	PPM	800.00	N/E	N/E	N	N/E
ISOBUTANE	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E

SECTION 3. REGULATORY INFORMATION (CONTINUED)

METHANOL	ACGIH	PPM	200.00	250.00	N/E	Y	N/E
	OSHA	PPM	200.00	250.00	N/E	Y	200.00
NONYLPHENOXYPOLYETHOXYETHANOL	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E

ADDITIONAL REGULATORY INFO
The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

CALIFORNIA (PROPOSITION #65)
WARNING: Using this product will expose you to Methylene Chloride, which is known to cause cancer.

SEC. 313 SUPPLIER NOTIFICATION
The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
METHYLENE CHLORIDE	80	75-09-2
METHANOL	4	67-56-1

CLEAN AIR ACT
This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD
This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

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The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS
Harmful if inhaled. Vapor harmful. May cause dizziness; headache; watering of eyes; irritation of respiratory tract; nausea; numbness in fingers, arms and legs; hot flashes; spotted vision; dilation of pupils; increase in carboxyhemoglobin levels which can cause stress to the cardiovascular system; arm, leg and chest pains; irregular or rapid heartbeat; depression of the central nervous system; vomiting; weakness; cold, clammy extremities; diarrhea; visual disturbances; drowsiness; giddiness; intoxication; sleepiness; cough and dyspnea; convulsions; unconsciousness; and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal. Elevated carboxyhemoglobin levels can be additive to the increase caused by smoking and other carbon monoxide sources. The propellant used in this product is a simple asphyxiant.

SECTION 4. HAZARDS IDENTIFICATION (CONTINUED)

SKIN CONTACT ACUTE EXPOSURE EFFECTS
This product is a skin irritant. Product may be absorbed through the skin. May cause irritation, drying of skin, defatting, and dermatitis. May cause or increase severity of symptoms listed under inhalation.

EYE CONTACT ACUTE EXPOSURE EFFECTS
This material is an eye irritant. May cause irritation; burns; redness; tearing; blurred vision; conjunctivitis of eyes; corneal ulcerations of the eye; and visual impairment or blindnrss. Vapors may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS
Harmful if swallowed. May cause dizziness; headache; nausea; vomiting; diarrhea; irritation to mouth, throat, stomach and gastrointestinal tract; stupor; blindness; liver, kidney, and heart damage; depression of the central nervous system; narcosis; and death. Liquid aspirated into the lungs, during vomiting, may cause chemical pneumonia and systemic effects. May produce symptoms listed under inhalation.

CHRONIC EXPOSURE EFFECTS
Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of harmful amount of material. May cause headache; skin irritation; hallucinations; permanent central nervous system changes; decreased response to visual and auditory stimulation; visual impairment or blindness; changes in blood; blood disorders; kidney damage; liver damage; pancreatic damage; conjunctivitis; gastric disturbances; giddiness; insomnia; brain damage; and death. May cause additional symptoms listed under inhalation.

MEDICAL CONDITIONS AGGRAVATED
Diseases of the blood, skin, eyes, liver, kidneys, lungs, respiratory system and cardiovascular system; alcoholism and rhythm disorders of the heart.

PRIMARY ROUTE OF EXPOSURE
Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

INHALATION
If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

SKIN CONTACT
Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

EYE CONTACT
Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

INGESTION
Call your poison control center, hospital emergency room, or physician immediately for instructions.

NOTE TO PHYSICIAN
THIS PRODUCT CONTAINS METHYLENE CHLORIDE AND LESS THAN 4% METHANOL. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances, and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion.

SECTION 5. FIRST AID MEASURES (CONTINUED)

Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. Adrenalin should never be given to a person overexposed to methylene chloride. This formula is registered with POISINDEX. Call your local poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	2	2
FLAMMABILITY	4	4
REACTIVITY	0	0
OTHER	G	NA

FLASH METHOD
Flame Extension

FLASH POINT
N/E F N/E C

LOWER EXPLOSION LIMIT
N/E

GENERAL COMMENTS
Aerosol Flammability Classification according to ASTM D-3065-77 and FHSA 1500.45.
CPSC FLAMMABILITY: Flammable Aerosol

EXTINGUISHING METHOD
Use carbon dioxide, dry powder, or foam.

FIRE FIGHTING PROCEDURES
Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

FIRE AND EXPLOSION HAZARDS
DANGER! FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER SOURCES OF IGNITION. VAPORS MAY CAUSE FLASH FIRE OR IGNITE EXPLOSIVELY. VAPORS MAY TRAVEL LONG DISTANCES TO OTHER AREAS AND ROOMS AWAY FROM WORK SITE. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition anywhere in the structure, dwelling or building during use and until all vapors are gone from work site and all areas away from work site. Keep away from electrical outlets and switches. Beware of static electricity that may be generated by synthetic clothing and other sources.

SECTION 7. ACCIDENTAL RELEASE MEASURES

CLEAN-UP
Keep unnecessary people away. Isolate hazard and deny entry until all gas has dispersed. Stop leak if you can do it without risk. Stay upwind, out of low areas and ventilate closed areas before entering. Keep flares, smoking or flames out of the hazard area. Use water spray to reduce vapors. For the liquid portion of the spill, take up liquid with sand, earth or other non-combustible absorbent material and place in a plastic container where applicable. Do not touch or walk through spilled material.

SECTION 7. ACCIDENTAL RELEASE MEASURES (CONTINUED)

For transportation related spills, contact Chemtrec at 1-800-424-9300 for emergency assistance.

WASTE DISPOSAL
Dispose in accordance with applicable local, state and federal regulations.

SECTION 8. HANDLING AND STORAGE

STORAGE
Store as Level 1 Aerosol (NFPA 30B)
Replace overcap on container after each use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

HANDLING
Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

SECTION 9. TRANSPORT INFORMATION

TRANSPORTATION
For D.O.T. information, contact W.M. Barr Technical Services Department.

SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION
Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

RESPIRATORY PROTECTION
For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved self-contained breathing apparatus for chlorinated solvent vapors. A dust mask does not provide protection against vapors.

SKIN PROTECTION
Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

EYE PROTECTION
Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION
Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %
96.100
by weight

BOILING POINT
GT 104.00 F 40.00 C BOILING RANGE: 104 F - 150 F

VAPOR DENSITY (Air = 1.0)
Heavier than air

EVAPORATION RATE
Slower than ether

BULK DENSITY
10.579
lbs/gal at 75 F

pH FACTOR
N/E

PHOTOCHEMICALLY REACTIVE
NO

MAX V.O.C.
4.17% by weight

MAX VAPOR PRESSURE
Not Applicable

SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES
Incompatible with strong oxidizing agents; strong caustics; strong alkalis; reducing agents; oxygen; nitrogen peroxide; chemically active metals such as aluminum and magnesium; sodium; potassium; and nitric acid.

DECOMPOSITION
Thermal decomposition may produce hydrogen chloride; chlorine gas; small quantities of phosgene; carbon monoxide; carbon dioxide; formaldehyde; and unidentified organic compounds in black smoke.

POLYMERIZATION
Will not occur.

STABILITY
Stable.

SECTION 13. ADDITIONAL INFORMATION

IMPORTANT NOTE
The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:
PPM = parts per million

SECTION 13. ADDITIONAL INFORMATION (CONTINUED)

MG/M3 = milligrams per cubic meter
N/E or NE = none established
GT = greater than
N/A or NA = not applicable
TCC = tag closed cup
TOC = tag open cup
PMCC = Pensky-Martens closed cup
IDLH = Immediately Dangerous to Life and Health

END OF MSDS